

DO0113, Epidemiology, biostatistics and scientific methods in Veterinary Nursing, 7.5 Hp

Syllabus

Finalized by: Finalized by: PSR, 2022-12-05, 2022-12-05

Level within study regulation:

First cycle

Main field of study:

Veterinary Nursing

Progressive specialisation:

GIF First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Subject:

- Veterinary Nursing

Grading scale:

Pass / Failed

Course language:

Swedish

Entry requirements:

Knowledge corresponding to 20 credits in veterinary nursing.

Objectives:

The purpose of the course is to provide basic knowledge of study design and common statistical terms, as well as to practise critical thinking and scientific approach.

After completing the course, students shall be able to:

- describe different types of study design, including their respective areas of application and limitations,
- describe and apply common descriptive and comparative statistical methods that are used to interpret biological data,
- discuss, interpret and assess the quality of study designs and basic statistical applications in scientific publications,
- independently identify a scientific question, write and present a minor literature study, focusing on skills in scientific writing and methodology.

Content:

Focusing on basic epidemiology and biostatistics, lectures include different types of study design and the application of basic statistical methods, including strengths and limitations for biological questions and interpretation of data. During the course, the students perform a minor, supervised project in the form of a literature study, which includes identifying a scientific question within veterinary nursing, followed by a literature search, analysis of chosen scientific articles, a written report and an oral presentation focused on critical thinking. During the project, great emphasis is placed on the students' ability to oppose and discuss their own work and the work of others. The course also includes practical calculation exercises and mandatory literature seminars.

Modes of assessment:

Approved verbal and written reporting on project work and discussion and examination of other students' presentations, as well as approved participation in compulsory elements. Approved written examination - If a student has failed an examination, the examiner has the right to issue supplementary assignments. This applies if it is possible and there are grounds to do so.

- The examiner can provide an adapted assessment to students entitled to study support for students with disabilities following a decision by the university. Examiners may also issue an adapted examination or provide an alternative way for the students to take the exam.
- If this syllabus is withdrawn, SLU may introduce transitional provisions for examining students admitted based on this syllabus and who have not yet passed the course.
- For the assessment of an independent project (degree project), the examiner may also allow a student to add supplemental information after the deadline for submission. Read more in the Education Planning and Administration Handbook.

Organisation:

Department of Clinical Sciences

Supplementary information**Module set:**

- Scientific methodology, 2.5 hp
- Epidemiology, 3.0 hp
- Biostatistics, 2.0 hp

Course replaces:

DO0049, DO0055, DO0093

Other information:

- The right to participate in teaching and/or supervision only applies for the course instance the student was admitted to and registered on.
- If there are special reasons, students are entitled to participate in components with compulsory attendance when the course is given again. Read more in the Education Planning and Administration Handbook.